



Exercice 1

☞ : $a = 2,5 \quad b = 4 \quad c = 0,25$

$a + bc = 2,5 + 4 \times 0,25 = 2,5 + 1 = 3,5.$

☛ : $a - bc = \dots\dots\dots$

$a + (b + c) = \dots\dots\dots$

$a + \frac{b}{c} = \dots\dots\dots$

$\frac{a-b}{c} = \dots\dots\dots$

$\frac{bc-a}{ab} = \dots\dots\dots$

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Exercice 2

☛ : $-1,8 \times (-0,2) = \dots\dots\dots \quad -0,5 \times (1,02) = \dots\dots\dots$

$-10,2 \times 0,05 = \dots\dots\dots \quad 7,2 \times 0,02 = \dots\dots\dots$

$1,8 \times (-0,2) \times 0,05 \times (-10,2) = \dots\dots\dots$

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Exercice 3

☞ : $\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c} \quad \frac{a}{b} + \frac{c}{d} = \frac{ad+cb}{bd}$

☛ : $\frac{5,2}{4} + \frac{0,8}{4} = \dots\dots\dots = \dots\dots \quad \frac{-3,3}{0,8} + \frac{2,1}{0,8} = \dots\dots\dots = \dots\dots$

$\frac{-10}{3} + \frac{7}{2} = \dots\dots\dots = \dots\dots \quad \frac{3}{2} - \frac{12,5}{5} = \dots\dots\dots = \dots\dots$

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Exercice 4

☞ : $250 \times 10^{-3} = 2,5 \times 10^{-1} = 0,25.$

☛ : $35 \times 10^{-1} = \dots\dots\dots = \dots\dots \quad 280 \times 10^{-2} = \dots\dots\dots = \dots\dots$

$0,52 \times 10^{-2} = \dots\dots\dots = \dots\dots \quad 0,01 \times 10^3 = \dots\dots\dots = \dots\dots$

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Exercice 5

☞ : $\frac{1}{10} = 10^{-1} \quad \frac{a^2}{a^5} = a^{-3} \quad a^2 \times a^3 = a^5 \quad (ab)^2 = a^2 \times b^2$

☛ : $10^{-1} \times 10^2 = \dots\dots \quad \frac{1}{10^3} = \dots\dots \quad (-1)^3 = \dots\dots$

$(-2)^2 \times \frac{2^2}{2^4} = \dots\dots \quad 3 \times 2^4 = \dots\dots$

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Exercice 6

☞ : $\sqrt{a^2} = a; \quad \sqrt{a^2} = a; \quad x^2 = 9 \implies x = 3 \text{ ou } x = -3.$

☛ : $(\sqrt{5})^2 = \dots\dots \quad \sqrt{5}^4 = \dots\dots \quad (\sqrt{3^2}) = \dots\dots \quad \sqrt{3}^4 = \dots\dots$

$x^2 = 16 \implies \dots\dots\dots$

$x^2 = 7 \implies \dots\dots\dots$

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